



Manuals.plus /

› AUTOWIKI /

› AUTOWIKI Fog Lights AW30-0081-CA Instruction Manual for BMW E46 M3 and E39 M5

AUTOWIKI AW30-0081-CA

AUTOWIKI Fog Lights Instruction Manual

MODEL: AW30-0081-CA

1. Product Overview

The AUTOWIKI Fog Lights (Model AW30-0081-CA) are designed as a direct replacement for the original equipment manufacturer (OEM) fog lights on compatible BMW models. These fog lights feature a yellow lens and are equipped with high-intensity halogen bulbs to enhance visibility in adverse weather conditions such as fog, rain, or snow. They are constructed from durable ABS plastic and are designed to be waterproof, dust-resistant, and corrosion-resistant.

Compatibility

- 2001-2006 BMW 3 Series E46 M3
- 2000-2003 BMW 5 Series E39 M5

Please verify your vehicle's make, model, and year to ensure proper fitment before installation.



This image illustrates the AUTOWIKI fog lights and highlights their compatibility with 2001-2006 BMW 3 Series E46 M3 and 2000-2003 BMW 5 Series E39 M5 models.

2. Safety Information

Always prioritize safety when working on your vehicle. Failure to follow safety guidelines can result in injury or damage to the vehicle.

- Ensure the vehicle is turned off and the ignition key is removed before beginning any electrical work.
- Disconnect the vehicle's battery to prevent accidental electrical shorts.
- Wear appropriate personal protective equipment, such as safety glasses and gloves.
- Allow sufficient time for the existing fog light bulbs to cool down before handling, as they can be very hot.
- If you are unsure about any step of the installation process, consult a qualified automotive technician.

3. Package Contents

Verify that all components are present and undamaged before proceeding with installation.

- 1x Driver Side Fog Light Assembly (Yellow Lens)
- 1x Passenger Side Fog Light Assembly (Yellow Lens)
- 2x 9006 Halogen Bulbs (pre-installed or separate)



APPLICABLE MODELS

2001-2006 BMW 3 SERIES E46 M3
2000-2003 BMW 5 SERIES E39 M5

**Please make sure it fit for your car
before you place an order by check the Detailed Product Description!**

A pair of AUTOWIKI fog lights with yellow lenses, along with the included 9006 halogen bulbs.

4. Specifications

Key technical details for the AUTOWIKI Fog Lights:

Feature	Specification
Model Number	AW30-0081-CA
Bulb Type	9006 Halogen
Voltage	12 Volts
Wattage	51 Watts
Lens Color	Yellow
Special Features	Waterproof, DOT and SAE Compliant
Material	OEM Grade ABS Plastic
Item Weight	649 g (per unit, approximate)



Detailed product specifications including dimensions (L: 5.00inch, W: 3.66inch, H: 5.98inch), bulb type (9006 12V 51W), DOT/SAE compliance, and yellow lens color with chrome reflector.

5. Setup and Installation

These fog lights are designed for a direct plug-and-play installation, requiring no modifications to your vehicle's wiring or bumper. Follow these steps for a smooth installation:

- 1. Prepare the Vehicle:** Park your vehicle on a level surface, engage the parking brake, and turn off the engine. Disconnect the negative terminal of the car battery for safety.
- 2. Access Existing Fog Lights:** Depending on your BMW model, you may need to remove the front bumper or access the fog lights from underneath the vehicle by removing splash guards. Refer to your vehicle's service manual for specific access procedures.
- 3. Remove Old Fog Lights:** Disconnect the electrical connector from the back of the existing fog light. Unscrew any mounting bolts or clips securing the fog light assembly and carefully remove it from the bumper.
- 4. Install New Fog Lights:** Insert the new AUTOWIKI fog light assembly into the bumper opening. Secure it with the original mounting bolts or clips. Ensure it is seated firmly.
- 5. Connect Electrical Wiring:** Connect the vehicle's electrical harness to the new fog light's connector. Ensure a secure connection.
- 6. Install Bulbs (if separate):** If the 9006 halogen bulbs are not pre-installed, carefully insert them into the fog light housing and twist to lock them in place. Avoid touching the glass part of the bulb with bare hands.
- 7. Adjust Beam (if necessary):** Some fog lights may have an adjustment screw to fine-tune the beam

angle. If present, use a screwdriver to adjust the light beam for optimal visibility without blinding oncoming traffic.

8. **Reassemble and Test:** Reinstall any removed bumper parts or splash guards. Reconnect the vehicle's battery. Turn on your vehicle's fog lights to test their functionality.

NIGHT LIGHTING

- SUPER BRIGHT SPORTLIGHT
- LONGER SERVICE LIFE
- LIGHTEN UP



A detailed view of the rear of the fog light assembly, showing the electrical connector and bulb socket for installation.



A detailed view of the fog light's chrome housing, showcasing its internal components and construction quality, relevant for installation.

6. Operating Instructions

Once installed, the AUTOWIKI Fog Lights operate in conjunction with your vehicle's existing lighting system. Consult your BMW owner's manual for specific instructions on how to activate your fog lights.

- Typically, fog lights are activated via a switch on the dashboard or steering column, often in conjunction with your low beam headlights.
- The yellow lens and high-intensity halogen bulbs are designed to cut through fog and provide a wider, lower beam pattern, illuminating the road directly in front of your vehicle and reducing glare.
- Use fog lights only when visibility is significantly reduced to avoid dazzling other drivers.

FOG LIGHT

Professional Automotive Parts Manufacturer



This image demonstrates the effective light output and beam pattern of the fog light during nighttime operation, highlighting its super bright spotlight feature.

7. Maintenance

Proper maintenance ensures the longevity and optimal performance of your fog lights.

- **Cleaning:** Clean the fog light lenses regularly with a soft cloth and mild automotive cleaner to remove dirt and debris that can obstruct light output. Avoid abrasive cleaners.
- **Inspection:** Periodically inspect the fog light housings for any signs of damage, cracks, or loose connections. Check the waterproof seals to ensure they remain intact.
- **Bulb Replacement:** If a bulb burns out, replace it with a new 9006 halogen bulb of the correct wattage (51W). Refer to the installation section for bulb access. Avoid touching the glass of the new bulb with bare hands, as oils can reduce bulb life.



This image focuses on the waterproof sealing of the fog light, demonstrating its design to prevent moisture and dust ingress, crucial for maintenance.

8. Troubleshooting

If you encounter issues with your AUTOWIKI Fog Lights, consider the following common problems and solutions:

- **Fog Lights Not Turning On:**
 - Check the vehicle's fuse box for a blown fuse related to the fog lights.
 - Ensure the electrical connectors are securely attached to the fog light assembly.
 - Inspect the bulbs for damage or a broken filament. Replace if necessary.
- **Dim or Flickering Lights:**
 - Verify that the bulbs are correctly seated in their sockets.
 - Check for loose or corroded electrical connections.
 - Ensure the vehicle's charging system is functioning correctly.
- **Moisture Inside Lens:**
 - While designed to be waterproof, extreme temperature changes can sometimes cause temporary condensation. This usually dissipates.
 - If persistent moisture or water accumulation is observed, inspect the housing for cracks or compromised seals. Re-seal or replace the unit if damage is found.

9. Warranty and Support

AUTOWIKI products are manufactured to high-quality standards. For specific warranty details, please refer to

the warranty information provided at the time of purchase or contact AUTOWIKI customer support directly.

Customer Support

If you have any questions regarding the installation, operation, or maintenance of your AUTOWIKI Fog Lights, please contact AUTOWIKI customer support through the retailer where the product was purchased or visit the official AUTOWIKI website for contact information.